

Thu Sep 16 09:36:51 2004

us-10-067-482-2.rag

99 189 6.6 203 4 AAB70073 Human sec
100 189 6.6 203 4 AAB92800 Human pro

ALIGNMENTS

RESULT 1
ID AAO16415 standard; protein; 553 AA.
AC AAO16415;
DT 10-APR-2003 (first entry)
DE Human nucleic acid-associated protein (NAAP) - SEQ ID NO 12.
KW Human; nucleic acid-associated protein; NAAP; arteriosclerosis;
KW cell proliferative disorder; atherosclerosis; cirrhosis; hepatitis; AIDS;
KW cancer; developmental disorder; renal tubular acidosis; anaemia; asthma;
KW mental retardation; neurological disorder; Alzheimer's disease; epilepsy;
KW Parkinson's disease; autoimmune disorder; inflammatory disorder; allergy;
KW Crohn's disease; transgenic animal; animal model.
OS Homo sapiens.
XX WO2003000864-A2.
XX 03-JAN-2003.
XX 20-JUN-2002; 2002WO-US021179.
XX 22-JUN-2001; 2001US-0300518P.
XX 29-JUN-2001; 2001US-0301787P.
XX 29-JUN-2001; 2001US-0301792P.
XX 29-JUN-2001; 2001US-0301892P.
XX 29-JUN-2001; 2001US-0301893P.
XX 06-JUL-2001; 2001US-0303405P.
XX 06-JUL-2001; 2001US-0303442P.
XX 15-MAR-2002; 2002US-0364438P.
(INCY-) INCYTE GENOMICS INC.
XX Gandhi AR, Swarnakar A, Hafalia AJA, Warren BA, Emerling BM;
XX Arizuo CS, Ison CH, Honchell CD, Lee EA, Yue H, Foreythe IJ;
XX Ramkumar J, Griffin JA, Yang J, Sanjanwala MM, Baughn MR;
XX Borowsky ML, Yao MG, Walla NK, Bandman O, Lal PG, Becha SD, Lee SY;
XX Richardson TW, Elliott VS, Luo W, Tang YT, Zebardjian Y, Lu Y;
WPI; 2003-201420/19.
DR N-PSDB; AAL51565.
XX New nucleic acid-associated proteins and polynucleotides, useful for
PT diagnosing, treating or preventing cell proliferative (e.g. cancer),
PT neurological (e.g. epilepsy or Parkinson's disease), or autoimmune
PT disorders (e.g. AIDS).
PS Claim 1; Page 227-228; 312pp; English.
XX The invention comprises the amino acid and coding sequences of human
CC nucleic acid-associated proteins (NAAP). The DNA and protein sequences of
CC the invention are useful for diagnosing, treating or preventing disorders
CC associated with aberrant expression of NAAP, such as: cell proliferative
CC disorders (e.g. arteriosclerosis, atherosclerosis, cirrhosis, hepatitis
CC or cancer); developmental disorders (e.g. renal tubular acidosis, anaemia
CC or mental retardation); neurological disorders (e.g. Alzheimer's disease,
CC Parkinson's disease or epilepsy); and autoimmune/inflammatory disorders
CC (e.g. AIDS, allergies, asthma or Crohn's disease). The DNA sequences of
CC the invention are useful for creating transgenic animals to model human
CC disease. The present amino acid sequence represents a human nucleic acid-
CC associated protein of the invention
XX Sequence 553 AA;
SQ

Query Match: 99.7%; Score 2858; DB 6; Length 553;
Best Local Similarity 99.8%; Pred. No. 2.7e-254;
Matches 552; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1	MAAVSLRLGDLVWGKLGKGRYPWPVKLVNPPKDLKKPRGKCKFFVKFFCTEDHAWIKVEQL	60
DB	1	MAAVSLRLGDLVWGKLGKGRYPWPVKLVNPPKDLKKPRGKCKFFVKFFCTEDHAWIKVEQL	60
QY	61	KPYHAHKEEMIKINKGRFQQAQVDAVEEPLRAKADKDOTSSHNSDDDKNRNRSSEERSRP	120
DB	61	KPYHAHKEEMIKINKGRFQQAQVDAVEEPLRAKADKDOTSSHNSDDDKNRNRSSEERSRP	120
QY	121	NSGDEKRLKLSLSEKVKQKNGEGKKRVSSGSSGSRGSKSPLKRAQEQSPRKGRPPKDEKD	180
DB	121	NSGDEKRLKLSLSEKVKQKNGEGKKRVSSGSSGSRGSKSPLKRAQEQSPRKGRPPKDEKD	180
QY	181	LTIPESSTVKGMMAGPMAAFKQPTASERVKQADPHFHHLLSOTKPAVCYQAITKKLX	240
DB	181	LTIPESSTVKGMMAGPMAAFKQPTASERVKQADPHFHHLLSOTKPAVCYQAITKKLX	240
QY	241	ICBEETGTSIQAADSTAVNGSITPTDKKIGFLGLGMLGSGIVSNLLKXGHTVTVVNRRTA	300
DB	241	ICBEETGTSIQAADSTAVNGSITPTDKKIGFLGLGMLGSGIVSNLLKXGHTVTVVNRRTA	300
QY	301	EKCOLFTQEGARLGRTPAEVWSTCDITFACVSDPKAAKDLVLPSCVLOGTRPGKCYVDM	360
DB	301	EKCOLFTQEGARLGRTPAEVWSTCDITFACVSDPKAAKDLVLPSCVLOGTRPGKCYVDM	360
QY	361	STVDADTVTELAQVIVSRGGRFLEAPVSGNQQLSNDKMLVILAAGDRGLYEDSCSCFOAM	420
DB	361	STVDADTVTELAQVIVSRGGRFLEAPVSGNQQLSNDKMLVILAAGDRGLYEDSCSCFOAM	420
QY	421	GKTSFFLGEVGNAAKMLIVNMGVSGFMATIAEGLTLAHVTGCSOOTLIDLNOGQLASI	480
DB	421	GKTSFFLGEVGNAAKMLIVNMGVSGFMATIAEGLTLAHVTGCSOOTLIDLNOGQLASI	480
QY	481	FLDQKCNILQGNPKDPFLKYIQKDLRLAIALGDVAVNHPTPMAAAANEVYKRAKALDOS	540
DB	481	FLDQKCNILQGNPKDPFLKYIQKDLRLAIALGDVAVNHPTPMAAAANEVYKRAKALDOS	540
QY	541	DNDMSAVYRAYIH	553
DB	541	DNDMSAVYRAYIH	553

RESULT 2

AAW69240
ID AAW69240 standard; protein; 547 AA.

XX	AAW69240	
AC	AAW69240	
DT	21-OCT-1998 (first entry)	
DE	Clone A073_3 protein sequence.	
XX	Secreted protein; nutritional source; cell proliferation activity;	
KW	Cell differentiation activity; immune stimulant; tissue growth activator;	
KW	haematopoiesis regulator; anti-inflammatory; tumour invasion suppressor;	
KW	tumour inhibitor; Clone A073_3	
XX	Homo sapiens.	
OS	Homo sapiens.	
XX	WO9825962-A2.	
PN	WO9825962-A2.	
XX	18-JUN-1998.	
PD	18-JUN-1998.	
XX	12-DEC-1997; 97WO-US023224.	
PP	12-DEC-1997; 97WO-US023224.	
XX	13-DEC-1996; 96US-00766263.	
PR	13-DEC-1996; 96US-00766263.	
XX	11-DEC-1997; 97US-00989232.	
PR	11-DEC-1997; 97US-00989232.	
XX	(GEMY) GENETICS INST INC.	
PA	(GEMY) GENETICS INST INC.	